

REMARKS

This Amendment is filed in response to the FINAL Office Action mailed on June 27, 2007, and in the Request for Continued Examination (RCE) filed on even date herewith. All objections and rejections are respectfully traversed.

Claims 29-51 are in the case.

Claims 1-28 were cancelled without prejudice.

Claims 29-51 were added to better claim the invention.

No claims were amended.

Request for Interview

The Applicant respectfully requests a telephonic interview with the Examiner after the Examiner has had an opportunity to consider this Amendment, but before the issuance of the next Office Action. The Applicant may be reached at 617-951-3028.

At Paragraphs 3-4 of the Office Action Claims 1, 6-8, 12, 13, and 17-24 were rejected under 35 U.S.C. 102(e) as being anticipated by Nolan et al. U. S. Patent No. 6,446,141 B1 issued on September 3, 2002 (hereinafter Nolan).

Cancellation of claims 1-28 without prejudice is believed to have rendered this re-
jection moot.

At Paragraphs 5-6 of the Office Action Claims 2-5, 9-11, 14-16, and 25-28 were
rejected under 35 U.S.C. 103(a) as being unpatentable over Nolan in view of Bates et al.
U. S. Patent No. 6,977,927 (hereinafter Bates).

Cancellation of claims 1-28 without prejudice is believed to have rendered this re-
jection moot.

NEW CLAIMS

Applicant respectfully urges that New Claims 29-51 are in condition for allow-
ance in view of both Nolan and Bates, taken either singly or in combination.

Applicant's claimed invention, as set forth in representative claim 29, comprises in part:

29. A method for accessing a data storage system, comprising:
maintaining a virtual logical unit assigned to a specific client;
*receiving a log in request from the specific client, the log in request directed to
the virtual logical unit;*
*initiating, in response to the log in request, a logical unit number map (lun
map) from the virtual logical unit to one or more physical logical units, the specific cli-
ent having permission to access the physical logical units indicated by the lun map, the
map presenting one or more client specific lun numbers mapped to one or more physi-
cal lun numbers utilized by the storage operating system;*
exporting the client specific lun numbers to the client; and
*receiving a data access request from the client, the request directed to a selected
client specific lun, and translating the client specific lun by the map into a selected
physical lun number, the physical lun number accessing a physical logical unit sup-
porting the client specific lun.*

Nolan discloses a data storage system. A client server requests storage transactions by commands which carry an identifier of an initiator, logical extent such as a lun number, and an identifier of a target device. (Nolan Col. 20 lines 11-15, and Nolan Col 21 lines 28-36)

Bates discloses a data storage system. A client request for a data storage operation identifies a host computer of the data storage system, a target host bus adapter (HBA), and the target LUN. (Bates Col 8 lines 65-68, Col. 9 lines 64-67, col. 10 lines 32-37)

Applicant respectfully urges that neither Nolan nor Bates has any disclosure of Applicant's claimed novel

receiving a log in request from the specific client, the log in request directed to the virtual logical unit;

initiating, in response to the log in request, a logical unit number map (lun map) from the virtual logical unit to one or more physical logical units, the specific client having permission to access the physical logical units indicated by the lun map, the map presenting one or more client specific lun numbers mapped to one or more physical lun numbers utilized by the storage operating system;

exporting the client specific lun numbers to the client

And further, Applicant respectfully urges that neither Nolan nor Bates has any disclosure of Applicant's claimed novel

receiving a data access request from the client, the request directed to a selected client specific lun, and translating the client specific lun by the map into a selected physical lun number, the physical lun number accessing a physical logical unit supporting the client specific lun.

In sharp contrast, both Nolan and Bates receive data requests which directly address the target physical LUN.

Applicant first sets up a lun map when a client logs into the data storage system where the map links the client with the physical luns which the client has permission to use, as claimed *initiating, in response to the log in request, a logical unit number map (lun map) from the virtual logical unit to one or more physical logical units, the specific client having permission to access the physical logical units indicated by the lun map, the map presenting one or more client specific lun numbers mapped to one or more physical lun numbers utilized by the storage operating system.* Applicant respectfully urges that neither Nolan nor Bates have any disclosure of this claimed setting up a lun map in response to a client log in.

Applicant's claimed invention then proceeds by *exporting the client specific lun numbers to the client.*

The client then uses these client specific lun numbers to submit data operation requests, as claimed as

receiving a data access request from the client, the request directed to a selected client specific lun, and translating the client specific lun by the map into a selected physical lun number, the physical lun number accessing a physical logical unit supporting the client specific lun.

Accordingly, Applicant respectfully urges that both Nolan and Bates, taken either singly or in combination, are legally insufficient to render Applicant's claimed invention unpatentable under either 35 U.S.C. 102 or 103 because of the absence of disclosure in either of Applicant's claimed novel

receiving a log in request from the specific client, the log in request directed to the virtual logical unit;

initiating, in response to the log in request, a logical unit number map (lun map) from the virtual logical unit to one or more physical logical units, the specific client having permission to access the physical logical units indicated by the lun map, the map presenting one or more client specific lun numbers mapped to one or more physical lun numbers utilized by the storage operating system;

exporting the client specific lun numbers to the client;

receiving a data access request from the client, the request directed to a selected client specific lun, and translating the client specific lun by the map into a selected

physical lun number, the physical lun number accessing a physical logical unit supporting the client specific lun.

All independent claims are believed to be in condition for allowance.

All dependent claims are dependent from independent claims which are believed to be in condition for allowance. Accordingly, all dependent claims are believed to be in condition for allowance.

Favorable action is respectfully solicited.

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

Respectfully submitted,

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